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\* Admitted in TX only  
\*\* Admitted in CT only

January 7, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Re: U.S. Patent Application No.: 10/635872  
For: *Method for Calculating and Displaying the Isothermal Contours Produced by a Laser*  
Inventor: Douglas-Hamilton, D. H.  
Filed: August 5, 2003  
Our Ref. No.: HTS-035DV

Dear Sir:

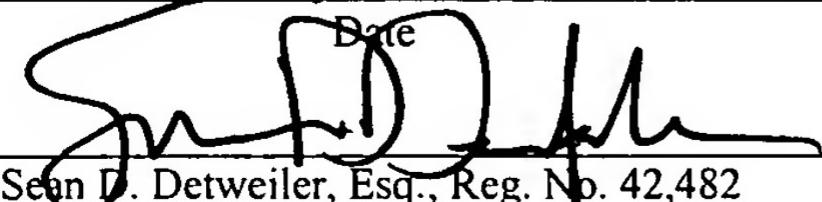
I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form SB-08;
3. Copy of a select reference cited in PTO Form SB-08 (1);
4. Copy of the Written Opinion; and
5. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450:

January 7, 2004

Date  
  
Sean D. Detweiler, Esq., Reg. No. 42,482

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

  
Sean D. Detweiler, Esq.  
Registration No. 42,482  
Attorney for Applicant



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Douglas-Hamilton, D. H.

Serial No.: 10/635872

Filed: August 5, 2003

For: *Method for Calculating and Displaying the Isothermal Contours Produced by a Laser*

Attorney Docket No.: HTS-035DV

Group Art Unit: 2872

Examiner: Not Yet Assigned

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

## Certificate of First Class Mailing (37 CFR §1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on the date set forth below.

January 7, 2004  
Date of Signature and of Mail Deposit

By:

  
Sean D. Detweiler, Esq.  
Registration No. 42,482  
Attorney for Applicant

## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant and his Attorney are aware of the following patents, publications or other information, which are cited on the attached PTO Form SB-08, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration.

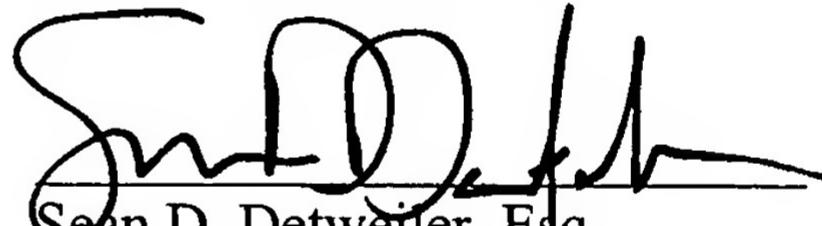
The present application is a Divisional Application of U.S. Serial No. 10/271706, filed October 15, 2002 (Atty. Docket No. HTS-035). The majority of the references listed on the enclosed PTO Form 1449 have been previously cited by or submitted to the Office in the prior application and, in accordance with 37 CFR §1.98(d), copies of references A1-A4, A6-A18 are not enclosed, but will be provided upon request. The remaining reference A5 was cited in a Written Opinion mailed

October 28, 2003 during the prosecution of PCT/US02/32995 which corresponds to the above-referenced application. A copy of the Opinion and the publication cited thereon are enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicant understands that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

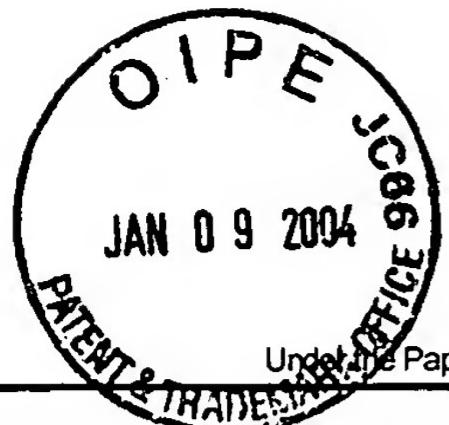


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Date: January 7, 2004

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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	10/635872
				Filing Date	August 5, 2003
				First Named Inventor	Douglas-Hamilton, D. H.
				Art Unit	2872
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	HTS-035DV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A1	4,617,467		10-1986	Senftle <i>et al.</i>	
A2	4,884,880		12-1989	Lichtman <i>et al.</i>	
A3	4,904,085		02-1990	Spillman Jr. <i>et al.</i>	
A4	5,349,468		09-1994	Rathbone <i>et al.</i>	
A5	5,610,712		03-1997	Schmitz <i>et al.</i>	
A6	5,754,289		05-1998	Ozaki <i>et al.</i>	
A7	5,972,667		10-1999	Conia <i>et al.</i>	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>5</sup>  
Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup>

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
A8	Berns, M.W. <i>et al.</i> "Laser scissors and tweezers." <i>Methods Cell Biol.</i> 1998;55:71-98				T <sup>2</sup>
A9	Cohen, J. <i>et al.</i> "Implantation enhancement by selective assisted hatching using zona drilling of human embryos with poor prognosis." <i>Hum. Reprod.</i> 1992 May;7(5):685-91				
A10	Douglas-Hamilton, D.H. <i>et al.</i> "Thermal effects in laser-assisted pre-embryo zona drilling." <i>J. Biomed. Optics</i> 2001 Apr;6(2):205-213				
A11	Germond, M. <i>et al.</i> "Microdissection of mouse and human zona pellucida using a 1.48 µm diod laser beam: efficiency and safety of the procedure." <i>Fertility and Sterility</i> 1995 Sep;64(3):604-611				
A12	Montag, M. <i>et al.</i> "Laser-assisted microdissection of the zona pellucida facilitates polar body biopsy." <i>Fertility and Sterility</i> 1998 Mar;69(3):539-542				
A13	Petit, C. <i>et al.</i> "Use of PRINS for preconception screening of polar bodies for common aneuploidies." <i>Prenatal Diagnosis</i> 2000;20:1067-1071				
A14	Strom, C.M. <i>et al.</i> "Neonatal outcome of preimplantation genetic diagnosis by polar body removal: the first 109 infants." <i>Pediatrics</i> 2000 Oct;106(4):650-3				
A15	Veiga, A. <i>et al.</i> "Laser blastocyst biopsy for preimplantation diagnosis in the human." <i>Zygote</i> 1997 Nov;5(4):351-4				
A16	Viville, S. <i>et al.</i> "Human embryo research in France." <i>Hum. Reprod.</i> 2002 Feb;17(2):261-3				
A17	Cell Robotics International, Inc. "CRI Workstation. LaserScissors Workstation" pp. 1-2, retrieved from Internet on 10/9/01 <a href="http://www.cellrobotics.com/workstation/lsws.html">http://www.cellrobotics.com/workstation/lsws.html</a>				
A18	Cell Robotics International, Inc. "CRI Workstation. LaserTweezers Workstation" p. 1, retrieved from Internet on 10/9/01 <a href="http://www.cellrobotics.com/workstation/ltwis.html">http://www.cellrobotics.com/workstation/ltwis.html</a>				
Examiner Signature		Date Considered			

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